

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Takefumi NISHIMUTA, Hiroshhi MIYAGI, Tadahiro OHMI, Shigetoshi SUGAWA, and Akinobu TERAMOTO  
Group Art Unit: TBA  
Serial No.: TBA  
Examiner: TBA  
Filed: Herewith  
For: MIXER CIRCUIT

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants request entry of the following preliminary amendment.

**Amendments to the claims** are reflected in the listing of claims which begin at page 2 of this paper.

**Remarks** begin at page 7 of this paper.